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## PHYSICAL COLLOCATION Bell Atlantic - Maine FCC NO. 11

#### DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPS

	A	<u>B</u>	<u>c</u>	₽	<u>E</u>
LINE NO.	<u>iTEM</u>	SOURCE	URBAN	SUBURBAN	RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2			\$17,000	\$12,000	\$9,000
	Material	Engineering			
3	Unit Investment Per AMP	(L2/L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
5	Statewide Unit Investment Per AMP	\$6.36	\$0.57	\$1.69	\$4.11
	Rectifiers				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
14	Statewide Unit Investment Per AMP	\$36.84	\$3.25	<b>\$1</b> 3.07	\$20.53
	D. H. J.				
	Batteries				_
15	Strings	Engineering	3	4	3
16	AMPs per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
21	Statewide Unit Investment Per AMP	\$43.23	\$3.77	\$15.61	\$23.84
	Automatic Breaker				
22	AMP per Breaker	Engineering	1.200	800	400
23	Total investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
26	Statewide Unit Investment Per AMP	\$46.27	\$2.89	\$16.01	\$27.38
20	Statewide Offit Investment Fer AMP	\$40.27	\$2.Q3	<b>410.01</b>	\$27.30
	Bauer Distribution Sequen Cabinet				
22	Power Distribution Service Cabinet	F	900	400	400
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
31	Statewide Unit Investment Per AMP	\$7.51	\$0.43	\$3.39	\$3.70
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Ernerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
40	Statewide Unit Investment Per AMP	\$159.24	\$6.94	\$35.54	\$116.76
	Clair William Control of Family		• • • • • • • • • • • • • • • • • • • •		
	Battery Distribution Fuse Bay				
41	AMP Capacity	Engineering	800	800	800
			\$8,181	\$8,181	\$8,181
42	Material Unit Investment Per AMP	Engineering		-	
43		(L42 / L41) WP 6.0 Po.1 Los 280-300	\$10.23	\$10.23 0.3660	\$10.23 0.5475
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
45	Statewide Unit Investment Per AMP	\$10.23	\$0.89	<b>\$</b> 3 74	\$5.60
	Total Unit Investment - (Less than or				
46	Equal to 60 AMP's) - Sum Lines	\$309.69			
	(5C+14C+21C+26C+31C+40C+45C)				
	(00.140.270.200.010.400.400)				

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#### PHYSICAL COLLOCATION Bell Atlantic - Maine FCC - 11

	<u> </u>	B	<u>C</u>	₽	Ē	Ē
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL POWER PLANT UNIT INVESTMENT	WP 2.0, PG 3, LINE 46	•	•	\$312.72	\$312.72
2	EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24D	-	•	2.7852	2.7852
3	INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$870.98	\$870.98
4	UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$870.98	\$870.98
6	LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22D	0.0000	-	-	0.0000
7	BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23D	-	0.1167	•	0.1167
8	LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00		•	\$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$101.64	-	\$101.64
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$101.64	\$870.98	\$972.62
11	WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26D	\$0.00	\$9.96	\$85.36	\$95.32
11	WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26D	\$0.00	\$9.96	\$85.36	\$95.32

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#### PHYSICAL COLLOCATION Bell Atlantic - Maine FCC - 11

	A	<u>B</u>	<u>c</u>	Ō	Ē	<u>F</u>
	<u>ITEM</u>	SOURCE	LAND	BLDG	CKT EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 2.0, PG 2 LINE 10	\$0.00	\$101.64	\$870.98	\$972.62
2	DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.61	<b>\$44</b> .51	\$47.12
3	COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.38	\$49.82	\$58.20
4	INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.38	\$20.12	\$23.50
5	OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	<b>\$</b> 1.59	\$13.85	\$15.43
6	MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.63	\$28.66	\$37.28
7	ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<b>\$</b> 3.39	<b>\$</b> 29.61	<u>\$33.01</u>
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.98	\$186.56	\$214.55
9	WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26D	\$0.00	\$2.74	\$18.28	\$21.03

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## PHYSICAL COLLOCATION Bell Atlantic - Maine FCC NO. 11

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	<u> </u>	₿	<u>c</u>	D	€
LINE NO.	ITEM	SOURCE	URBAN	SUBURBAN	RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
5	Statewide Unit Investment Per AMP	\$6.36	\$0.57	\$1.69	\$4.11
	Rectifiers		_	•	
6 7	Quantity	Engineering	5	6	5
8	AMPS per unit Tot, AMPS	Engineering	200 1,000	200 1,200	200 1.000
9	Utilization	( L6 * L7) (L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
14	Statewide Unit Investment Per AMP	\$36.84	\$3.25	\$13.07	\$20.53
	_				
4.5	<u>Batteries</u>		_		
15	Strings	Engineering	3	4	3
16 17	AMPs per String Tot. AMPS	Engineering (L15 * L16)	310 930	310 1,240	310 930
18	Total investment	Engineering	\$40,500	\$52,900	\$40.500
19	Unit lovestment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
21	Statewide Unit Investment Per AMP	\$43.23	<b>\$</b> 3.77	\$15.61	\$23.84
-			45.77	0.0.01	020.01
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
26	Statewide Unit Investment Per AMP	\$46.27	\$2.89	\$16.01	\$27.38
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
31	Statewide Unit Investment Per AMP	\$7.51	\$0.43	\$3.39	\$3.70
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35 36	Emerg. Engine Invest. Conduit/Emer Lights	Engineering Engineering	\$38,200 \$30,000	\$34,000 \$25,000	\$21,500 \$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59.000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28D-30D	0.0866	0.3660	0.5475
40	Statewide Unit Investment Per AMP	\$159.24	\$6.94	\$35.54	\$116.76
	Power Plant Distribution Bay				
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$12.50	\$8.33	\$16.67 0.5475
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0866	0.3660	0.5475
45	Statewide Unit Investment Per AMP	\$13.26	\$1.08	\$3.05	\$9.13
46	Total Unit Investment - (Less than or				
40	Equal to 60 AMP's) - Sum Lines	\$312.72			
	(5C+14C+21C+26C+31C+40C+45C)	40.2.72			
	(30+140+210+200+310+400+450)				

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#### PHYSICAL COLLOCATION Bell Atlantic - New Hampshire FCC - 11

	A	B	<u>c</u>	Ō	Ē	E
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL POWER PLANT UNIT INVESTMENT	WP 3.1, PG 3, LINE 46	-	-	\$281.50	\$281.50
2	EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24E	-	-	2.7852	2.7852
3	INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	•	\$784.04	\$784.04
4	UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	•	•	\$784.04	\$784.04
6	LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22E	0.0000	•	-	0.0000
7	BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23E	-	0.1357	-	0.1357
8	LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00		-	\$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$106.39	-	\$106.39
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$106.39	\$784.04	\$890.44
11	WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26E	\$0.00	\$12.34	\$90.95	\$103.29

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#### PHYSICAL COLLOCATION Bell Atlantic - New Hampshire FCC - 11

	<u>A</u>	₿	<u>c</u>	Ō	Ē	<u>E</u>
	ITEM	SOURCE	LAND	BLDG	CKT EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$0.00	\$106.39	\$784.04	\$890.44
2	DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.73	\$39.83	\$42.56
3	COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.77	\$44.61	\$53.38
4	INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.54	\$18.03	\$21.58
5	OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.76	\$0.08	\$1.83
6	MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$6.63	\$31.13	\$37.75
7	ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	\$3.67	<u>\$27.44</u>	<u>\$31.11</u>
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.10	\$161.12	\$188.22
9	WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26E	\$0.00	\$3.14	\$18.69	\$21.83

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# PHYSICAL COLLOCATION Bell Atlantic - New Hampshire FCC NO. 11

	A	₿	Ē	Ď	Ē
LINE NO.	ITEM	SOURCE	URBAN	SUBURBAN	RURAL
LINE NO.	11 EM	SOURCE	ONDAN	SUBURBAN	RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
5	Statewide Unit Investment Per AMP	\$6.10	\$1.55	\$1.88	\$2.67
			*		
	Rectifiers				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11/L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
14	Statewide Unit Investment Per AMP	\$36.77	\$8.92	\$14.51	\$13.34
	<u>Batteries</u>	<u>.</u>	_	_	_
15	Strings	Engineering	3	4	3
16	AMPs per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900 \$42.66	\$40,500
19 20	Unit Investment Per AMP Statewide Weighting	(L18 / L17) WP 6.0, Pg 1, Lns 28E-30E	\$43.55 0.2378	\$42.66 0.4066	\$43.55 0.3557
21	Statewide Unit Investment Per AMP	\$43.19	\$10.36	\$17.34	\$15.49
	A N				
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23 24	Total Investment	Engineering	\$40,000	\$35,000 \$43.75	\$20,000 \$50.00
25	Unit Investment Per AMP Statewide Weighting	(L23 / L22) WP 6.0, Pg 1, Lns 28E-30E	\$33.33 0.2378	\$43.75 0.4066	0.3557
26	Statewide Unit Investment Per AMP	\$43.50	\$7.93	\$17.79	\$17.78
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
31	Statewide Unit Investment Per AMP	\$7.35	\$1.19	\$3.76	\$2.40
31	Statewide Offit Hivestiffer Fel AMP	\$7.55	\$1.13	<b>\$3.70</b>	<b>⊅</b> 2.40
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Erner Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
40	Statewide Unit Investment Per AMP	\$134.38	\$19.05	\$39.48	\$75.85
					•
	<b>Battery Distribution Fuse Bay</b>				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10 23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
45	Statewide Unit Investment Per AMP	\$10.23	\$2.43	\$4.16	\$3.64
	Total Unit Investment - (Less than or				
46	Equal to 60 AMP's) - Sum Lines	\$281.50			
	(5C+14C+21C+26C+31C+40C+45C)				
	•				

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#### PHYSICAL COLLOCATION Bell Atlantic - New Hampshire FCC - 11

	A	₿	Č	D	Ē	<u>F</u>
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL POWER PLANT UNIT INVESTMENT	WP 3.0, PG 3, LINE 46	-	•	\$283.56	\$283.56
2	EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24E	-	-	2.7852	2.7852
3	INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$789.79	\$789.79
4	UTILIZATION FACTOR	ENGINEERING	•	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	•	\$789.79	\$789.79
6	LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22E	0.0000	-	•	0.0000
7	BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23E	-	0.1357	-	0.1357
8	LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00		-	\$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$107.17	-	\$107.17
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$107.17	\$789.79	\$896.96
11	WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26E	\$0.00	\$12.43	\$91.62	\$104.05

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#### PHYSICAL COLLOCATION Bell Atlantic - New Hampshire FCC - 11

	<u>A</u>	₿	Č	ō	<u>E</u>	Ē
	ITEM	SOURCE	LAND	BLDG	CKT EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 3.0, PG 2 LINE 10	\$0.00	\$107.17	\$789.79	\$896.96
2	DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.75	\$40.12	\$42.88
3	COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.83	\$44.94	\$53.77
4	INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.57	\$18.17	\$21.73
5	OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.77	\$0.08	\$1.85
6	MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$6.68	\$31.35	\$38.03
7	ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	<u>\$3.70</u>	\$27.64	\$31.34
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.30	\$162.30	\$189.60
9	WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26E	\$0.00	\$3.17	\$18.83	\$21.99

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# PHYSICAL COLLOCATION Bell Atlantic - New Hampshire FCC NO. 11

	<u>A</u>	В	Ĕ	<u>D</u>	Ē
LINE NO.	ITEM	SOURCE	URBAN	SUBURBAN	RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
5	Statewide Unit Investment Per AMP	\$6.10	<b>\$1</b> .55	\$1.88	\$2.67
	Rectifiers				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6 *L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00% \$30,000
10 11	Material Total Investment	Engineering (L10 / L9)	\$30,000 \$37,500	\$35,700 \$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
14	Statewide Unit Investment Per AMP	\$36.77	\$8.92	\$14,51	\$13.34
		7777	*	•	
45	Batteries	Fasinassina	2	4	3
15 16	Strings AMPs per String	Engineering Engineering	3 310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
21	Statewide Unit Investment Per AMP	\$43.19	\$10.36	\$17.34	\$15.49
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24 25	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75 0.4066	\$50.00 0.3557
25 26	Statewide Weighting Statewide Unit Investment Per AMP	WP 6.0, Pg 1, Lns 28E-30E \$43.50	0.2378 \$7.93	\$17.79	\$17.78
26	Statewide Ont Investment Fer Amp	\$43.30	37.93	<b>\$</b> 17.75	\$17.70
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28E-30E	0.2378	0.4066	0.3557
31	Statewide Unit Investment Per AMP	\$7.35	\$1.19	<b>\$</b> 3.76	\$2.40
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200 \$80.12	\$59,000 \$67,40	\$41,500 \$313.36
38 39	Unit Investment Per AMP Statewide Weighting	(L37 / L34) WP 6.0, Pg 1, Lns 28E-30E	0.2378	\$97.10 0.4066	\$213.26 0.3557
40	Statewide Unit Investment Per AMP	\$134.38	\$19.05	\$39.48	\$75.85
40	Oldiowide Olin Investment F et Ami	\$104.00	<b>J</b> 13.03	<b>\$33.40</b>	<b>\$</b> 75.00
	Power Plant Distribution Bay				_
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000 \$16.67
43 44	Unit Investment Per AMP Statewide Weighting	(L42 / L41) WP 6.0, Pg 1, Lns 27C-30C	\$12.50 0.2378	\$8.33 0.4066	\$16.67 0.3557
45	Statewide Unit Investment Per AMP	\$12.29	0.2378 \$2.97	0.4066 \$3.39	0.3557 \$5.93
40	Statewide Offit Investment Fel AMF	¥12.20	<b>9</b> 2.31	<b>4</b> 0.03	<b>\$3.33</b>
46	Total Unit Investment - (Less than or				
	Equal to 60 AMP's) - Sum Lines	\$283.56			
	(5C+14C+21C+26C+31C+40C+45C)				

RI WORKPAPER 4.0 PAGE 2 OF 3

#### PHYSICAL COLLOCATION Bell Atlantic - Rhode Island FCC - 11

	A	8	Ē	<u>D</u>	Ē	Ē
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL POWER PLANT UNIT INVESTMENT	WP 4.0, PG 3, LINE 46	-	-	\$244.48	\$244.48
2	EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24F	-	-	2.7852	2.7852
3	INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$680.92	\$680.92
4	UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$680.92	\$680.92
6	LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22F	0.0000	-	•	0.0000
7	BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23F	•	0.1845	-	0.1845
8	LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00		-	\$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$125.63	-	\$125.63
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$125.63	\$680.92	\$806.55
11	WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26F	\$0.00	\$12.31	\$66.73	\$79.04

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#### PHYSICAL COLLOCATION Bell Atlantic - Rhode Island FCC - 11

	<u> </u>	<u>B</u>	<u>C</u>	D	Ē	£
	<u>ITEM</u>	SOURCE	LAND	BLDG	CKT EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 4.0, PG 2 LINE 10	\$0.00	\$125.63	\$680.92	\$806.55
2	DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.99	\$34.73	\$37.72
3	COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$10.45	\$38.88	\$49.33
4	INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.22	\$15.73	\$19.95
5	OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.34	\$7.42	\$8.77
6	MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.15	\$27.17	\$30.32
7	ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$4.52</u>	\$24.92	<u>\$29.44</u>
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$26.68	\$148.85	\$175.53
9	WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26F	\$0.00	\$2.62	\$14.59	\$17.20

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# PHYSICAL COLLOCATION Bell Atlantic - Rhode Island FCC NO. 11

#### DC POWER COST DEVELOPMENT

	DCTOWL	LK COST DEVELOT MILIT			
	A	В	<u>c</u>	₽	E
LINE NO.	ITEM	SOURCE	URBAN	SUBURBAN	RURAL
		<del></del>			
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
5	Statewide Unit Investment Per AMP	\$5.78	\$2.92	\$2.07	<b>\$</b> 0.79
	Doubleon				
6	Rectifiers Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot. AMPS	(L6*L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83,33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10/L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / LB)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
14	Statewide Unit Investment Per AMP	\$36.69	\$16.74	\$15.99	\$3.96
			•		•
	<b>Batteries</b>				
15	Strings	Engineering	3	4	3
16	AMPs per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
21	Statewide Unit Investment Per AMP	\$43.15	\$19.44	\$19.11	\$4.60
	Automatic Breaker				
22	AMP per Breaker	Farinassina	1,200	800	400
23	Total Investment	Engineering Engineering	\$40,000	\$35.000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 26F-30F	0.4465	0.4480	0.1055
26	Statewide Unit Investment Per AMP	\$39.76	\$14.88	\$19.60	\$5.28
			<b>4</b> 1 1.00	4.0.00	40.20
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	<b>\$</b> 3, <b>700</b>	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	<b>\$</b> 6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	<u>0 4480</u>	0.1055
31	Statewide Unit Investment Per AMP	\$7.09	\$2.23	\$4.14	\$0.71
	Emergency engine/turbine (auto start)				
32		Engineering	1.216	868	278
32	AMP Capacity	• -			278 70%
34	Utilization Utilized AMPS	Engineering (L32 * L33)	70% 851	70% 608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
40	Statewide Unit Investment Per AMP	\$101.78	<b>\$35.77</b>	\$43.50	\$22.51
40	Statewise Still Wivestiller El 74Wi	<b>\$101.10</b>	<b>4</b> 00.77	<b>4</b> -10.00	<b>V</b> 22.51
	<b>Battery Distribution Fuse Bay</b>				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
45	Statewide Unit Investment Per AMP	\$10.23	\$4.57	\$4.58	\$1.08
	Total Unit Investment // can then as				
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines	\$244.48			
70	(5C+14C+21C+26C+31C+40C+45C)	WETT.TO			
	(90+140+210+200+310+400+450)				

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#### PHYSICAL COLLOCATION Bell Atlantic - Rhode Island FCC - 11

	Ā	<u>B</u>	<u>c</u>	₫	E	Ē
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL POWER PLANT UNIT INVESTMENT	WP 4.0, PG 3, LINE 46	-	•	\$245.32	\$245.32
2	EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24F	-	-	2.7852	2.7852
3	INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$683.28	\$683.28
4	UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$683.28	\$683.28
6	LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22F	0.0000	-	-	0.0000
7	BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23F	-	0.1845	-	0.1845
8	LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00		-	\$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$126.07	-	\$126.07
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$126.07	\$683.28	\$809.34
11	WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26F	\$0.00	\$12.35	\$66.96	\$79.32

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#### PHYSICAL COLLOCATION Bell Atlantic - Rhode Island FCC - 11

	A	₿	<u>c</u>	ō	<u>E</u>	<u>F</u>
	ITEM	SOURCE	LAND	BLDG	CKT EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 4.0, PG 2 LINE 10	\$0.00	\$126.07	\$683.28	\$809.34
2	DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.00	\$34.85	<b>\$</b> 37.85
3	COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$10.49	\$39.02	\$49.50
4	INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.24	\$15.78	\$20.02
5	OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.35	\$7.45	\$8.80
6	MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.16	\$27.26	\$30.43
7	ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$4.54</u>	\$25.01	<b>\$29.55</b>
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$26.78	\$149.36	\$176.14
9	WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26F	\$0.00	\$2.62	\$14.64	<b>\$</b> 17.26

RI WORKPAPER 4.1 PAGE 3 OF 3

# PHYSICAL COLLOCATION Bell Atlantic - Rhode Island FCC NO. 11

	DC POWER	GREATER THAN OU AIMP	<u>3</u>		
	A	В	<u>c</u>	D	E
				AUDUBBAN	
LINE NO.	<u>ITEM</u>	SOURCE	URBAN	SUBURBAN	RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
5	Statewide Unit Investment Per AMP	\$5.78	\$2.92	\$2.07	\$0.79
	Rectifiers				
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8	Tot, AMPS	( L6 * L7)	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10 11	Material Total Investment	Engineering	\$30,000	\$35,700 \$42,840	\$30,000
12	Unit Investment Per AMP	(L10 / L9) (L11 / L8)	\$37,500 \$37.50	\$42,840 \$35.70	\$37,500 \$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
14	Statewide Unit Investment Per AMP	\$36.69	\$16.74	<b>\$</b> 15.99	\$3.96
1-4	Statewide Offit investment Fel Alur	\$30.09	<b>\$10.74</b>	<b>\$15.55</b>	ψ5.50
	Batteries				
15	Strings	Engineering	3	4	3
16	AMPs per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
21	Statewide Unit Investment Per AMP	\$43.15	\$19.44	\$19.11	\$4.60
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
26	Statewide Unit Investment Per AMP	\$39.76	\$14.88	\$19.60	\$5.28
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28 29	Material Unit Investment Per AMP	Engineering (L28 / L27)	\$4,000 \$5.00	\$3,700 \$9,25	\$2,700 \$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
		\$7.09			
31	Statewide Unit Investment Per AMP	\$7.09	\$2.23	\$4.14	\$0.71
	Emorgonou ongina/turbino (outo start)				
32	Emergency engine/turbine (auto start)  AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28F-30F	0.4465	0.4480	0.1055
40	Statewide Unit Investment Per AMP	\$101.78	<b>\$3</b> 5.77	\$43.50	\$22.51
	B				
	Power Plant Distribution Bay	<b>F</b>	4.000	4.000	222
41	AMP Capacity	Engineering	1,200	1,200	300
42 43	Material Unit Investment Per AMP	Engineering (L42 / L41)	\$15,000 \$12.50	\$10,000 \$8.33	\$5,000 \$16.67
43 44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.4465	0.4480	0.1055
45	Statewide Unit Investment Per AMP	\$11.07		\$3.73	
40	Statewice Olit investigent het Wilh	\$11.07	\$5.58	φ3./3	\$1.76
46	Total Unit Investment - /Less than or				
46	Total Unit Investment - (Less than or	\$24F.22			
	Equal to 60 AMP's) - Sum Lines	\$245.32			
	(5C+14C+21C+26C+31C+40C+45C)				

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#### PHYSICAL COLLOCATION Bell Atlantic - Vermont FCC - 11

A	В	Ē	Ō	Ē	E
ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 5.0, PG 3, LINE 46	-	-	\$296.97	\$296.97
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24G	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$827.11	\$827.11
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$827.11	\$827.11
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22G	0.0000	-	•	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23G	-	0.1256	-	0.1256
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00		-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$103.89	=	\$103.89
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$103.89	\$827.11	\$931.00
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26G	\$0.00	\$5.09	\$40.53	\$45.62

VT WORKPAPER 5.0 PAGE 1 OF 3

#### PHYSICAL COLLOCATION Bell Atlantic - Vermont FCC - 11

	<u>A</u>	₿	<u>c</u>	D	Ē	Ē
	<u>ITEM</u>	SOURCE	LAND	BLDG	CKT EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 5.0, PG 2 LINE 10	\$0.00	\$103.89	\$827.11	\$931.00
2	DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.83	\$42.18	\$45.01
3	COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.50	\$47.23	\$55.73
4	INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.44	\$19.11	\$22.54
5	OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.10	\$8.93	\$10.03
6	MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$7.33	\$38.05	<b>\$45.38</b>
7	ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.85	<u>\$31.18</u>	<u>\$35.04</u>
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.05	\$186.68	\$213.73
9	WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26G	\$0.00	\$1.33	\$9.15	\$10.47

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#### PHYSICAL COLLOCATION Bell Atlantic - Vermont FCC NO. 11

#### DC POWER COST DEVEL OPMENT

	<del></del>				
	A	<u>B</u>	<u>c</u>	Ō	E.
LINE NO.	ITEM	SOURCE	URBAN	SUBURBAN	RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9.000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
5	Statewide Unit Investment Per AMP	\$6.27	\$1.09	\$1.70	
5	Statewide Unit Investment Per AMP	30.27	\$1.09	\$1.70	\$3.48
	Destitions				
_	Rectifiers		_	_	_
6	Quantity	Engineering	5	6	5
7	AMPS per unit	Engineering	200	200	200
8 9	Tot. AMPS	(L6 * L7)	1,000	1,200	1,000
	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10 11	Material Total Investment	Engineering	\$30,000	\$35,700 \$42,840	\$30,000
12	Unit Investment Per AMP	(L10 / L9) (L11 / L8)	\$37,500 \$37.50	\$42,840 \$35.70	\$37,500 \$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
14	Statewide Unit Investment Per AMP	\$36.83	<b>\$</b> 6.27	\$13.16	\$17.40
	<b>.</b>				
	<u>Batteries</u>				
15	Strings	Engineering	3	4	3
16	AMPs per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
21	Statewide Unit Investment Per AMP	\$43.22	\$7.29	\$15.73	\$20.20
	Automatic Breaker				
22	AMP per Breaker	Engineering	1,200	800	400
23	Total Investment	Engineering	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
26	Statewide Unit Investment Per AMP	\$44.90	\$5.58	\$16.13	\$23.20
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28	Material	Engineering	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
31	Statewide Unit Investment Per AMP	\$7.38	\$0.84	\$3.41	\$3.13
•		<u> </u>		••••	40.10
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35	Emerg. Engine Invest.	Engineering	\$3B,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
40	Statewide Unit Investment Per AMP	\$148.14	\$13.40	\$35.80	\$98.93
		<u> </u>		***************************************	<b>\$</b> 30. <b>50</b>
	Battery Distribution Fuse Bay				
41	AMP Capacity	Engineering	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
45	Statewide Unit Investment Per AMP	\$10.23	\$1.71		
40	DIGITARING CHILL HARSTITHER LEI WINE	\$10.23	<b>⊕1.7</b> €	\$3.77	\$4.74
	Total Unit Investment /Less than or				
45	Total Unit Investment - (Less than or	6006.07			
46	Equal to 60 AMP's) - Sum Lines	\$296.97			
	(5C+14C+21C+26C+31C+40C+45C)				

VT WORKPAPER 5.1 PAGE 2 OF 3

#### PHYSICAL COLLOCATION Bell Atlantic - Vermont FCC - 11

	Ā	₿	<u>c</u>	D	Ē	E
	ITEM	SOURCE	LAND	BLDG	SWITCH EQPT.	TOTAL INVEST
1	TOTAL POWER PLANT UNIT INVESTMENT	WP 5.1, PG 3, LINE 46	-		\$299.64	\$299.64
2	EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24G	-	-	2.7852	2.7852
3	INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$834.55	\$834.55
4	UTILIZATION FACTOR	ENGINEERING	•	-	1.0000	1.0000
5	TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$834.55	\$834.55
6	LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22G	0.0000	-	-	0.0000
7	BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23G	-	0.1256	-	0.1256
8	LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00		•	\$0.00
9	BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$104.82	-	\$104.82
10	TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$104.82	\$834.55	\$939.37
11	WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26G	\$0.00	\$5.14	\$40.89	\$46.03

VT WORKPAPER 5.1 PAGE 1 OF 3

#### PHYSICAL COLLOCATION Bell Atlantic - Vermont FCC - 11

	<u>A</u>	В	Ē	ō	Ē	Ē
	ITEM	SOURCE	LAND	BLDG	CKT EQPT.	TOTAL INVEST
1	TOTAL UNIT INVESTMENT	WP 5.1, PG 2 LINE 10	\$0.00	\$104.82	\$834.55	\$939.37
2	DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.85	\$42.56	\$45.41
3	COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$8.57	\$47.65	\$56.23
4	INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.47	\$19.28	\$22.75
5	OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$1.11	\$9.01	\$10.12
6	MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$7.40	\$38.39	\$45.79
7	ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<b>\$</b> 3.89	<b>\$</b> 31.46	<b>\$</b> 35.35
8	ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$27.29	\$188.36	\$215.65
9	WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26G	\$0.00	\$1.34	\$9.23	\$10.57

VT WORKPAPER 5.1 PAGE 3 OF 3

# PHYSICAL COLLOCATION Bell Atlantic - Vermont FCC NO. 11

	DC : GWEF	- ORCATER THAN OF AMILO			
	<u>A</u>	₿	<u>c</u>	<u>D</u>	Ē
LINE NO.	<u>ITEM</u>	SOURCE	URBAN	SUBURBAN	RURAL
	Microprocessor Plant (BUSS BAR)				
1	AMP	Engineering	2,600	2,600	1,200
2	Material	Engineering	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
5	Statewide Unit Investment Per AMP	\$6.27	\$1.09	\$1.70	\$3.48
_	Rectifiers	<u>.</u>	_	_	•
6 7	Quantity AMPS per unit	Engineering	5	6	5
8	Tot. AMPS	Engineering ( L6 * L7)	200 1,000	200 1,200	200 1,000
9	Utilization	(L6-1) / L6)	80.00%	83.33%	80.00%
10	Material	Engineering	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11/L8)	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0 1673	0.3687	0.4639
14	Statewide Unit Investment Per AMP	\$36.83	\$6.27	\$13.16	\$17.40
	Patterios				
15	<u>Batteries</u> Strings	Engineering	3	4	3
16	AMPs per String	Engineering	310	310	310
17	Tot. AMPS	(L15 * L16)	930	1,240	930
18	Total Investment	Engineering	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
21	Statewide Unit Investment Per AMP	\$43.22	\$7.29	\$15.73	\$20.20
22	Automatic Breaker	Facinarda	4 200	000	400
22 23	AMP per Breaker Total Investment	Engineering	1,200	800 \$35,000	400 \$20,000
24	Unit Investment Per AMP	Engineering (L23 / L22)	\$40,000 \$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
26	Statewide Unit Investment Per AMP	\$44.90	\$5.58	\$16.13	\$23.20
	Power Distribution Service Cabinet				
27	Amps	Engineering	800	400	400
28 29	Material Unit Investment Per AMP	Engineering	\$4,000 \$5.00	\$3,700 \$9.25	\$2,700 \$6,75
30	Statewide Weighting	(L28 / L27) WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
31	Statewide Unit Investment Per AMP	\$7.38	\$0.84		
31	Statewide Dritt Investment Per AMP	\$7.30	<b>\$</b> 0.04	\$3.41	\$3.13
	Emergency engine/turbine (auto start)				
32	AMP Capacity	Engineering	1,216	868	278
33	Utilization	Engineering	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	851	608	195
35 36	Emerg. Engine Invest.	Engineering	\$38,200	\$34,000	\$21,500
36 37	Conduit/Emer Lights Total Investment	Engineering (L35 + L36)	\$30,000 \$68,200	\$25,000 \$59,000	\$20,000 \$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 28G-30G	0.1673	0.3687	0.4639
40	Statewide Unit Investment Per AMP	\$148.14	\$13.40	\$35.80	\$98.93
		· · · · · · · · · · · · · · · · · · ·			
	Power Plant Distribution Bay				
41	AMP Capacity	Engineering	1,200	1,200	300
42	Material	Engineering	\$15,000	\$10,000	\$5,000
43 44	Unit Investment Per AMP Statewide Weighting	(L42 / L41) WP 6.0, Pg 1, Lns 27C-30C	\$12.50 0.1673	\$8.33 0.3687	\$16.67 0.4639
45	Statewide Unit Investment Per AMP	\$12.90	\$2.09	\$3.07	\$7.73
.5	S.E.S. Indo G.M. M. POSSING IN S. P. P.	V.2.00	JE.00	\$5.57	•
46	Total Unit Investment - (Less than or				
	Equal to 60 AMP's) - Sum Lines	\$299.64			
	(5C+14C+21C+26C+31C+40C+45C)				

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## PHYSICAL COLLOCATION BELL ATLANTIC - NEW ENGLAND FCC NO. 11

#### FACTORS

	(ACTORS						
	A	₿	Ē	D	£	Ē	G
			MA	ME	NH	Ri	VT
LINE NO	) ITEM	SOURCE	DATA	DATA	DATA	DATA	DATA
	<u></u>			<u> </u>			
	ANNUAL COST FACTOR						
	- Digital Switch - Power (2212.00)						
1	DEPRECIATION	SERVICE COSTS	0.0508	0.0511	0.0508	0.0510	0.0510
2	COST OF MONEY	SERVICE COSTS	0.0569	0.0572	0.0569	0.0571	0.0571
3	INCOME TAX	SERVICE COSTS	0.0230	0.0231	0.0230	0.0231	0.0231
4	OTHER TAX	SERVICE COSTS	0.0002	0.0159	0.0001	0.0109	0.0108
5	MAINTENANCE	SERVICE COSTS	0.0559	0.0329	0.0397	0.0399	0.0460
6	ADMINISTRATION	SERVICE COSTS	0.0425	0.0340	0.0350	0.0366	0.0377
7	TOTAL- Digital Switch ACF	SUM (LINES 1 THRU LINE 6)	0.2293	0.2142	0.2055	0.2186	0.2257
	•		<del></del>				
	- Land						
8	DEPRECIATION	SERVICE COSTS	0.0000	0.0000	0.0000	0.0000	0.0000
9	COST OF MONEY	SERVICE COSTS	0.1142	0.1126	0.1126	0.1126	0.1126
10	INCOME TAX	SERVICE COSTS	0.0462	0.0456	0.0456	0.0456	0.0456
11	OTHER TAX	SERVICE COSTS	0.0175	0.0156	0.0165	0.0108	0.0106
12	MAINTENANCE	SERVICE COSTS	0.0348	0.0849	0.0623	0.0251	0.0706
13	ADMINISTRATION	SERVICE COSTS	0.0425	0.0334	0.0345	0.0360	0.0371
14	TOTAL- Land ACF	SUM (LINES 8 THRU LINE 13)	0.2552	0.2921	0.2715	0.2301	0.2765
	- Building						
15	DEPRECIATION	SERVICE COSTS	0.0254	0.0257	0.0257	0.0238	0.0272
16	COST OF MONEY	SERVICE COSTS	0.0838	0.0824	0.0824	0.0832	0.0818
17	INCOME TAX	SERVICE COSTS	0.0339	0.0333	0.0333	0.0336	0.0331
18	OTHER TAX	SERVICE COSTS	0.0175	0.0156	0.0165	0.0107	0.0106
19	MAINTENANCE	SERVICE COSTS	0.0348	0.0849	0.0623	0.0251	0.0706
20	ADMINISTRATION	SERVICE COSTS	0.0425	0.0334	0.0345	0.0360	0.0371
21	TOTAL- Building ACF	SUM (LINES 15 THRU LINE 20)	0.2379	0.2753	0.2547	0.2124	0.2604
	OTHER FACTORS:						
		*******					
22	LAND INVESTMENT FACTOR	SERVICE COSTS	0.0000	0.0000	0.0000	0.0000	0.0000
23	BUILDING INVESTMENT FACTOR	SERVICE COSTS	0.1835	0.1167	0.1357	0.1845	0.1256
24	EF&I FACTOR - FRC 377C (DC POWER)	SERVICE COSTS	2.7852	2.7852	2.7852	2.7852	2.7852
25	OVERHEAD LOADING FACTOR	COMMISSION PRESCRIBED	1.0000	1.0000	1.0000	1.0000	1.0000
26	BA-NE NAL WEIGHTING FACTOR	SERVICE COSTS	0.638	0.098	0.116	0.098	0.049
27	METRO POWER ZONE WEIGHTING	SERVICE COSTS	0.0772	N/A	N/A	N/A	N/A
28	URBAN POWER ZONE WEIGHTING	SERVICE COSTS	0.3512	0.0866	0.2378	0.4465	0.1673
29	SUBURBAN POWER ZONE WEIGHTING	SERVICE COSTS	0.5123	0.3660	0.4066	D.4480	0.3687
30	RURAL POWER ZONE WEIGHTING	SERVICE COSTS	0.0588	0.5475	0.3557	0.1055	0.4639